

IN THE CLAIMS:

Please amend the claims as follows:

1 to 39 (Cancelled)

40. (New) A method of controlling communication between a base station controller and customer premises equipment, comprising steps of:

selecting, by said base station controller, one or more access points between said base station controller and said customer premises equipment for sending a message;

controlling, by said base station controller, physical parameters and media access control parameters for said access points;

controlling, by said access points, routing and switching of said message to or from said customer premises equipment; and

sending said message through said access points from said base station controller to said customer premises equipment or from said customer premises equipment to said base station controller.

41. (New) A method as in claim 40, further comprising the step of controlling, by said base station controller, scheduling for communication between said base station controller and said access points.

42. (New) A method as in claim 40, further comprising the step of controlling, by said base station controller, quality of service parameters for communication between said base station controller and said access points.

43. (New) A method as in claim 40, further comprising the step of controlling, by said access points, scheduling for communication between said access points and said customer premises equipment.

44. (New) A method as in claim 40, further comprising the step of controlling, by said access points, quality of service parameters for communication between said access points and said customer premises equipment.

45. (New) A method as in claim 40, wherein said access points include one or more reflectors, each reflector reflecting an electromagnetic signal carrying said message from a first path to a second path.

46. (New) A method as in claim 40, wherein said access points include one or more repeaters.

47. (New) A method as in claim 40, wherein said access points include one or more routers or switching devices.

48. (New) A method as in claim 40, wherein each of said access points includes one or more reflectors, repeaters, or routers or switching devices.

49. (New) A method as in claim 40, wherein said step of sending is at least partially wireless.

50. (New) A base station controller capable of controlling communication between a base station controller and customer premises equipment, comprising:

wireless communication equipment including at least an antenna and a transmitter and receiver; and

a processor that controls the wireless communication equipment, said processor programmed to perform instructions comprising steps of (a) selecting one or more access points between said base station controller and said customer premises equipment for sending a message, (b) controlling physical parameters and media access control parameters for said access points, and (c) sending said message through said access points to said customer premises equipment or receiving said message from said customer premises equipment through said access points, wherein said access points control routing and switching of said message to or from said customer premises equipment.

51. (New) A base station controller as in claim 50, wherein said instructions further comprise the step of controlling scheduling for communication between said base station controller and said access points.

52. (New) A base station controller as in claim 50, wherein said instructions further comprise the step of controlling quality of service parameters for communication between said base station controller and said access points.

53. (New) A base station controller as in claim 50, wherein said instructions permit said access points to control scheduling for communication between said access points and said customer premises equipment.

54. (New) A base station controller as in claim 50, wherein said instructions permit said access points to control quality of service parameters for communication between said access points and said customer premises equipment.

55. (New) A memory storing information including instructions, the instructions executable by a processor of a base station controller to control communication between a base station controller and customer premises equipment, wherein the instructions comprise steps of:

selecting one or more access points between said base station controller and said customer premises equipment for sending a message;

controlling physical parameters and media access control parameters for said access points; and

sending said message through said access points to said customer premises equipment or receiving said message from said customer premises equipment through said access points;

wherein said access points control routing and switching of said message to or from said customer premises equipment.

56. (New) A memory as in claim 55, wherein said instructions further comprise the step of controlling scheduling for communication between said base station controller and said access points.

57. (New) A memory as in claim 55, wherein said instructions further comprise the step of controlling quality of service parameters for communication between said base station controller and said access points.

58. (New) A memory as in claim 55, wherein said instructions permit said access points to control scheduling for communication between said access points and said customer premises equipment.

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59. (New) A memory as in claim 55, wherein said instructions permit said access points to control quality of service parameters for communication between said access points and said customer premises equipment.